

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Spring 2012 Levee Inspection Results****Reclamation District No. 2095 Paradise Cut**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2012 Levee Inspection Results

Reclamation District No. 2095 Paradise Cut

Waterway			Bank	Unit Miles
Unit No. 01 Paradise Cut			Left	1.45
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	5/18/2012 - 5/18/2012			
DWR Inspector	Max Khashchuk			
Accompanied By	Bob Pombo RD 2095			
	Rosie Silva RD 2095			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2095 Paradise Cut

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut							Left	1.45	05/18/2012 05/18/2012	Max Khashchuk
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1			Earthen Levee	Operations & Maintenance Manuals	WS	A Ma		° °	° °	3
DWR ID: DWR_RD2095_01_s_2012_3										
2			Earthen Levee	Emergency Supplies & Equipment	WS	A Ma		° °	° °	4
DWR ID: DWR_RD2095_01_s_2012_4										
3			Earthen Levee	Flood Preparedness & Training	WS	A Ma		° °	° °	6
DWR ID: DWR_RD2095_01_s_2012_6										
4	0.15	0.15	Earthen Levee	Encroachments	WS	M En	RA : Ramp	37.769977 ° -121.325012 °	37.769977 ° -121.325012 °	32 Y
DWR ID: DWR_RD2095_01_s_2012_32										
5	0.35	0.35	Earthen Levee	Encroachments	CR A/W Ma	PI : Pipe Inspector Comments: No closure devices or flap gate on discharge pipe. Pipe penetrates freeboard of levee.		37.767822 ° -121.322835 °	37.767822 ° -121.322835 °	5
DWR ID: DWR_RD2095_01_s_2012_5										
6	0.70	0.70	Earthen Levee	Encroachments	WSA/W Ma	PI : Pipe Inspector Comments: Irrigation intake penetrates levee freeboard. No positive closure device present.		37.763780 ° -121.319147 °	37.763780 ° -121.319147 °	10
DWR ID: DWR_RD2095_01_s_2012_10										
7	0.70	0.70	Earthen Levee	Encroachments	LS	M En	BU : Buildings Inspector Comments: Pump house near RR.	37.763630 ° -121.319045 °	37.763630 ° -121.319045 °	11
DWR ID: DWR_RD2095_01_s_2012_11										
8	0.73	0.74	Supplemental	DWR Erosion Survey	WS	M Ma	Inspector Comments: 09/02/2011: No significant changes observed on site. 09/22/2010: No significant changes observed on site. There is now considerable vegetation at the water line and along the lower berm slope. However, the erosion on the lower berm slope is still present and has not been corrected.08/06/2010: Recommended for local maintenance issue, per CLRO.07/29/2009: No major change since last visit; noticeable vegetation growth; erosion is on berm, but if left untreated, it will eventually erode into levee prism; site is recommended for annual assessment and monitoring of site, per CLRO CES 2008 Report; Site # is the same sa RM6.80,LM0.73; previously rated "U".07/22/2008: Downstream of WPRR near siphon pipe & pump; sandy levee; visited by Jeff Van Gilder and LRO in 2008 for repair assessment; scouring downstream of RxR crossing, possibly caused by eddy effects.03/13/2007: Site visited on 03/13/2007. [2011 Site ID:RD2095U01RM6.74]	37.763630 ° -121.319000 °	37.763630 ° -121.319000 °	1 Y
DWR ID: DWR_RD2095_01_s_2012_1										

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	05/18/2012 05/18/2012	Max Khashchuk

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
9	0.86	0.86	Supplemental	DWR Erosion Survey	WS	U	Inspector Comments: 09/02/2011: No significant changes observed. 09/22/2010: No significant changes observed. Sloughing of the existing rip rap possibly due to a combination of steep slope and undesirable flood conditions. 08/06/2010: Recommended as local maintenance issue, per CLRO.07/29/2009: No major change observed since last visit; near-vertical slope that has rip rap sloughing; site is recommended as a local maintenance issue, per CLRO CES Evaluation 2008 Report; Site # is the same as RM6.90, LM0.86; previously rated "U". 07/22/2008: Previous erosion site that is partially protected with concrete rubble; erosion scarp is adjacent to the sloughing rip rap. 03/13/2007: Site visited on 03/13/2007. [2011 Site ID: RD2095U01RM6.88]	37.761960 ° -121.318140 °	37.761960 ° -121.318140 °	2 Y
DWR ID: DWR_RD2095_01_s_2012_2										
10	0.88	0.88	Earthen Levee	Encroachments	LS A/W	PI : Pipe	Inspector Comments: Large pump platform for drainage into San Joaquin River. Three pumps. No positive closure devices. Pipe penetrates levee freeboard. No flap gate at outlet.	37.761362 ° -121.318062 °	37.761362 ° -121.318062 °	15 Y
DWR ID: DWR_RD2095_01_s_2012_15										
11	0.88	0.88	Earthen Levee	Encroachments	WSA/W	PI : Pipe	Inspector Comments: Gravity drain through base of levee. Positive closure on waterside hinge point. Flap gate obstructed by debris has been cleared.	37.761337 ° -121.318047 °	37.761337 ° -121.318047 °	16 Y
DWR ID: DWR_RD2095_01_s_2012_16										
12	0.92	0.92	Earthen Levee	Encroachments	LS A/W	PI : Pipe	Inspector Comments: Pipe on south is connected with siphon breaker at hinge point.	37.760792 ° -121.317705 °	37.760792 ° -121.317705 °	18 Y
DWR ID: DWR_RD2095_01_s_2012_18										
13	1.18	1.18	Earthen Levee	Slope Stability	LS	M	S1 : Repair slope instability.	37.759802 ° -121.313313 °	37.759802 ° -121.313313 °	33 Y
DWR ID: DWR_RD2095_01_s_2012_33										

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	05/18/2012 05/18/2012	Max Khashchuk

Levee Mile Report Line	4
Start Levee Mile	0.15
End Levee Mile	0.15
Location	Water Side
Category	Earthen Levee
Item	Encroachments

View of vehicle tracks eroding waterside slope.
05/18/2012

mkhashch_s_20120518_386.jpg



Levee Mile Report Line	8
Start Levee Mile	0.73
End Levee Mile	0.74
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Downstream view of the site.

mkhashch_s_20120511_353.jpg



Levee Mile Report Line	8
Start Levee Mile	0.73
End Levee Mile	0.74
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Upstream view of the site looking from the RxR crossing.

mkhashch_s_20120511_354.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	05/18/2012 05/18/2012	Max Khashchuk

Levee Mile Report Line	8
Start Levee Mile	0.73
End Levee Mile	0.74
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Downstream view of the site from the RxR crossing

mkhashch_s_20120511_355.jpg



Levee Mile Report Line	8
Start Levee Mile	0.73
End Levee Mile	0.74
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Downstream view of the site.

mkhashch_s_20120511_356.jpg



Levee Mile Report Line	9
Start Levee Mile	0.86
End Levee Mile	0.86
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Direct view of the iste.

mkhashch_s_20120511_357.jpg



*** Location**

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WS : Water Side
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**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	05/18/2012 05/18/2012	Max Khashchuk

Levee Mile Report Line	9
Start Levee Mile	0.86
End Levee Mile	0.86
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Downstream view of the site.

mkhashch_s_20120511_358.jpg



Levee Mile Report Line	9
Start Levee Mile	0.86
End Levee Mile	0.86
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Upwnstream view of the site.

mkhashch_s_20120511_359.jpg



Levee Mile Report Line	9
Start Levee Mile	0.86
End Levee Mile	0.86
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Upstream view of the site from upper slope.

mkhashch_s_20120511_360.jpg



*** Location**

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A/W : Acceptable but Monitor & Maintain

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	05/18/2012 05/18/2012	Max Khashchuk

Levee Mile Report Line	10
Start Levee Mile	0.88
End Levee Mile	0.88
Location	Land Side
Category	Earthen Levee
Item	Encroachments
04/27/2011 Pumps at LM 0.88	
mkhashch_s_20120511_361.jpg	



Levee Mile Report Line	11
Start Levee Mile	0.88
End Levee Mile	0.88
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Gravity drainage outlet flapgate blocked by debris.	
mkhashch_s_20120511_362.jpg	



Levee Mile Report Line	11
Start Levee Mile	0.88
End Levee Mile	0.88
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Gravity drain inlet.	
mkhashch_s_20120511_363.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	1.45	05/18/2012 05/18/2012	Max Khashchuk

Levee Mile Report Line	12
Start Levee Mile	0.92
End Levee Mile	0.92
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/01/2011 Siphon breaker at hinge point on waterside.	
mkhashch_s_20120511_364.jpg	



Levee Mile Report Line	13
Start Levee Mile	1.18
End Levee Mile	1.18
Location	Land Side
Category	Earthen Levee
Item	Slope Stability
View of erosion site on landside slope. 05/18/2012	
mkhashch_s_20120518_387.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2012 Levee Inspection Results

Reclamation District No. 2095 Paradise Cut

Waterway			Bank	Unit Miles
Unit No. 02 San Joaquin River			Left	3.38
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	5/18/2012 - 5/18/2012			
DWR Inspector	Max Khashchuk			
Accompanied By	Rosie Silva RD 2095			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

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If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.38	05/18/2012 05/18/2012	Max Khashchuk

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	
1	0.62	0.62	Earthen Levee	Vegetation	LS Ma	V4 : Elderberries are blocking visibility and flood fight capability.	37.751668 ° -121.304302 °	37.751668 ° -121.304302 °	6 Y
DWR ID: DWR_RD2095_02_s_2012_6									
2	0.76	0.76	Earthen Levee	Encroachments	WSA/W Ma	PI : Pipe Inspector Comments: Two pipes penetrate levee freeboard. Siphon breakers present.	37.749710 ° -121.303263 °	37.749710 ° -121.303263 °	11
DWR ID: DWR_RD2095_02_s_2012_11									
3	0.80	0.80	Earthen Levee	Encroachments	WSA/W Ma	PI : Pipe Inspector Comments: Intake pump and pipe.	37.749337 ° -121.302552 °	37.749337 ° -121.302552 °	13
DWR ID: DWR_RD2095_02_s_2012_13									
4	0.98	0.98	Earthen Levee	Vegetation	WS Ma	V4 : Elderberries are blocking visibility and flood fight capability.	37.749737 ° -121.300002 °	37.749737 ° -121.300002 °	940
DWR ID: DWR_RD2095_02_s_2012_940									
5	1.01	1.01	Earthen Levee	Vegetation	WS Ma	V4 : Elderberries are blocking visibility and flood fight capability. Inspector Comments: Dense bush within 20' of crown on waterside slope.	37.749650 ° -121.299362 °	37.749650 ° -121.299362 °	941 Y
DWR ID: DWR_RD2095_02_s_2012_941									
6	1.03	1.03	Earthen Levee	Vegetation	WS Ma	V4 : Elderberries are blocking visibility and flood fight capability.	37.749557 ° -121.299053 °	37.749557 ° -121.299053 °	942
DWR ID: DWR_RD2095_02_s_2012_942									
7	1.09	1.09	Earthen Levee	Trim / Thin Trees	LS Ma	T5 : Tree stumps. Inspector Comments: 4 stumps	37.748254 ° -121.298993 °	37.748254 ° -121.298993 °	3
DWR ID: DWR_RD2095_02_s_2012_3									
8	1.50	1.50	Earthen Levee	Slope Stability	WS Ma	S1 : Repair slope instability.	37.742950 ° -121.297693 °	37.742950 ° -121.297693 °	37 Y
DWR ID: DWR_RD2095_02_s_2012_37									
9	1.54	1.54	Earthen Levee	Vegetation	WS Ma	V4 : Elderberries are blocking visibility and flood fight capability.	37.742828 ° -121.297532 °	37.742828 ° -121.297532 °	12
DWR ID: DWR_RD2095_02_s_2012_12									
10	1.67	1.67	Earthen Levee	Encroachments	CRA/W Ma	PI : Pipe Inspector Comments: Discharge pipe into San Joaquin River. Anti-siphon valve present. Pipe penetrates levee freeboard. Fill and compact erosion site.	37.741140 ° -121.296328 °	37.741140 ° -121.296328 °	15 Y
DWR ID: DWR_RD2095_02_s_2012_15									
11	1.77	1.80	Supplemental	DWR Erosion Survey	WS Ma	Inspector Comments: 08/23/2011: No significant changes observed on the site.9/22/2010: No significant changes observed on site. There is moderate vegetation growth on the berm. Despite the erosion occurring on the berm, corrective action should be taken before the issue becomes severe.9/29/2009: Site is immediately downstream of a section of existing rip rap; there is a 20-foot berm remaining; berm will continue to erode unless erosion is mitigated; Site# is the same as RM62.6, LM1.87; recommended for annual assessment, per CES Evaluation 2008 Report2006: Visited 10/20/06 [2011 Site ID:RD2095U02RM60.62]	37.740196 ° -121.297662 °	37.740196 ° -121.297662 °	1 Y
DWR ID: DWR_RD2095_02_s_2012_1									

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.38	05/18/2012 05/18/2012	Max Khashchuk

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	
12	1.85	1.89	Supplemental	DWR Erosion Survey	WS M Ma	Inspector Comments: 08/23/2011: Dense vegetation makes it difficult to view the possible erosion. No new development was observed on site. 09/23/2010: At the time of the inspection, the erosion site was difficult to view from the levee. Erosion is located on the bank toe, below the existing rip rap. There were no signs of repair on site, nor has the site been reported to be repaired by the district. Images taken from last year indicate that existing rip rap at the bank toe has sloughed exposing the underlaying soils. Weakening of the toe could lead to future bank instability. 08/05/2010: Recommended for annual assessment and monitoring during flood events, per CLRO. 09/29/2009: No major change observed since last visit; sloughing of the rip rap above toe; erosion begins immediately downstream of existing rip rap revetment; roughly 15-foot berm remains; however, it will continue to erode and eventually intrude into the levee profile if left untreated. 10/20/2006: Just upstream of where berm starts to widen. [2011 Site ID: RD2095U02RM60.69]	37.738880 ° -121.298260 °	37.738880 ° -121.298260 °	2 Y
DWR ID: DWR_RD2095_02_s_2012_2									
13	2.10	2.10	Earthen Levee	Encroachments	WSA/W Ma	PI : Pipe	37.735483 ° -121.297912 °	37.735483 ° -121.297912 °	19
DWR ID: DWR_RD2095_02_s_2012_19									
14	2.13	2.34	Earthen Levee	Vegetation	LS M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	37.735017 ° -121.297700 °	37.732125 ° -121.297892 °	38 Y
DWR ID: DWR_RD2095_02_s_2012_38									
15	2.14	2.14	Earthen Levee	Vegetation	WS M Ma	V4 : Elderberries are blocking visibility and flood fight capability.	37.734858 ° -121.297758 °	37.734858 ° -121.297758 °	20 Y
DWR ID: DWR_RD2095_02_s_2012_20									
16	2.39	2.39	Earthen Levee	Encroachments	CRA/W Ma	PI : Pipe	37.731555 ° -121.298283 °	37.731555 ° -121.298283 °	23
DWR ID: DWR_RD2095_02_s_2012_23									
17	2.70	2.70	Earthen Levee	Encroachments	CRA/W Ma	PI : Pipe Inspector Comments: Pipe connections have been made. Permit application needed for this emergency repair.	37.727233 ° -121.299732 °	37.727233 ° -121.299732 °	26
DWR ID: DWR_RD2095_02_s_2012_26									
18	2.73	2.73	Earthen Levee	Encroachments	CRA/W Ma	PI : Pipe Inspector Comments: Discharge pipe with closure structure on waterside hinge point.	37.726733 ° -121.299367 °	37.726733 ° -121.299367 °	25
DWR ID: DWR_RD2095_02_s_2012_25									

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.38	05/18/2012 05/18/2012	Max Khashchuk

Levee Mile Report Line	1
Start Levee Mile	0.62
End Levee Mile	0.62
Location	Land Side
Category	Earthen Levee
Item	Vegetation

11/01/2011 Elderberry bush at landside toe.

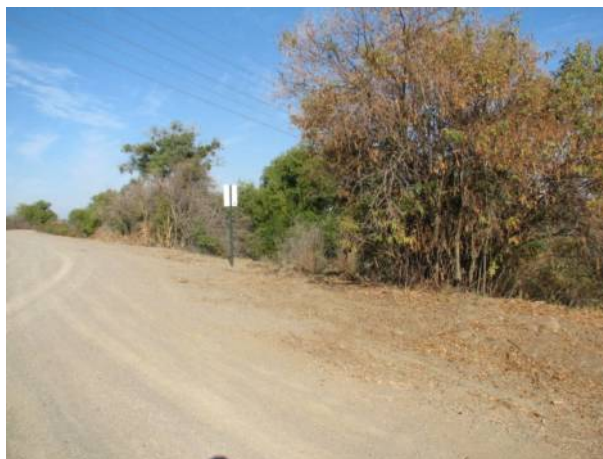
mkhashch_s_20120511_373.jpg



Levee Mile Report Line	5
Start Levee Mile	1.01
End Levee Mile	1.01
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Elderberry blocks visibility of levee slope.

mkhashch_s_20120511_376.jpg



Levee Mile Report Line	8
Start Levee Mile	1.50
End Levee Mile	1.50
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

View of waterside slope caving due to rodent activity. 05/18/2012

mkhashch_s_20120518_388.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.38	05/18/2012 05/18/2012	Max Khashchuk

Levee Mile Report Line	10
Start Levee Mile	1.67
End Levee Mile	1.67
Location	Crown
Category	Earthen Levee
Item	Encroachments
11/01/2011 New siphon breaker at waterside hinge point.	
mkhashch_s_20120511_374.jpg	



Levee Mile Report Line	10
Start Levee Mile	1.67
End Levee Mile	1.67
Location	Crown
Category	Earthen Levee
Item	Encroachments
View of erosion around pipe on waterside slope. 05/18/2012	
mkhashch_s_20120518_389.jpg	



Levee Mile Report Line	11
Start Levee Mile	1.77
End Levee Mile	1.80
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
Front view of the site. Note dense vegetation on the berm.	
mkhashch_s_20120511_365.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.38	05/18/2012 05/18/2012	Max Khashchuk

Levee Mile Report Line	11
Start Levee Mile	1.77
End Levee Mile	1.80
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the site.

mkhashch_s_20120511_366.jpg



Levee Mile Report Line	11
Start Levee Mile	1.77
End Levee Mile	1.80
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Upstream view of the site.

mkhashch_s_20120511_367.jpg



Levee Mile Report Line	11
Start Levee Mile	1.77
End Levee Mile	1.80
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the site.

mkhashch_s_20120511_368.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.38	05/18/2012 05/18/2012	Max Khashchuk

Levee Mile Report Line	12
Start Levee Mile	1.85
End Levee Mile	1.89
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Direct view of the erosion. Note dense vegetation on site

mkhashch_s_20120511_369.jpg



Levee Mile Report Line	12
Start Levee Mile	1.85
End Levee Mile	1.89
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Front view of the erosion.

mkhashch_s_20120511_370.jpg



Levee Mile Report Line	12
Start Levee Mile	1.85
End Levee Mile	1.89
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Direct view of the erosion.

mkhashch_s_20120511_371.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2095 Paradise Cut

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Left	3.38	05/18/2012 05/18/2012	Max Khashchuk

Levee Mile Report Line	12
Start Levee Mile	1.85
End Levee Mile	1.89
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

A closer look at the site

mkhashch_s_20120511_372.jpg



Levee Mile Report Line	14
Start Levee Mile	2.13
End Levee Mile	2.34
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of tall vegetation obstructing landside slope and toe. 05/18/2012

mkhashch_s_20120518_390.jpg



Levee Mile Report Line	15
Start Levee Mile	2.14
End Levee Mile	2.14
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Vegetation on waterside slope obstructs access and visibility.

mkhashch_s_20120511_375.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement